What Today's Sportsman Owes to the Cave Man

THE SIX STAGES IN MAN'S DEVELOPMENT OF HIS MEANS OF DEFENSE AND OFFENSE













THE MODERN AUTOLOADING RIFLE.

The Dramatic Story of the Onward March That Has Raised Man religiously the breechlonder. From the Skulking, Hiding Creature of the Dawn of History to the

Extracts From "A New Chapter In an Old Story." Reprinted by Courtesy

HOW IT BEGAN

NAKED anvage found himself | been made as strong as the strongest in the greatest danger. A man could pull, and they wished for wild beast hungry and herce, still stronger ones-steel ones. How was about to attack him. could they pull them? At first they Escape was impossible. Retreat was cut off. He must fight for his life, but how? and rested one end on the shoulder for Should he bite, scratch or kick? a brace. Then they took to pressing Should be strike with his fist? These the other end against the ground and were the natural defenses of his body. using both hands. Next it was a but what were they against the teeth. bright idea to put a stirrup on this the claws and the tremendous muscles | end in order to hold it with the foot. of his enemy? Should he wrench a dead branch from a tree and use it er, stronger!" they clamored. "Let us for a club? That would bring him try mechanics!" within striking distance, to be torn to

There was but a moment in which to act. Swiftly be seized a jagged fragment of rock from the ground and hurled it with all his force at the blazing eyes before him, then another and another until the beast, dazed and crossbows and you will see that now bleeding from the unexpected blows, the wespons began to look a little like fell back and gave him a chance to es guns as we know them. They had cape. He knew that he had saved his shoulder pieces, Hie, but there was something else which his dull brain failed to realize. HE HAD INVENTED ARMS AND

pieces before he could deal a second

AMMUNITIONS strike a harder blow than the blow of clamored, "Stronger, stronger!" For his fist at a greater distance than the length of bis arm, and his brain showed him how to do it. After all, what is a modern rifle but a device which man has made with his brain, permitting him to strike an enormously hard blow at a wonderful distance? Firearms are really but a more perfect form of stone throwing, and this early cave man took the first step that has led down the ages to present day arms and ammunition.

This strange story of a development that has been taking place slowly through thousands and thousands of years, so that today you are able to take a swift shot at distant game instend of merely throwing stones-this story we shall briefly tell.

The Earliest Hunters.

The cave man and his descendants learned the valuable lesson of stone throwing, and it made hunters of them, not big game hunters-that was far too risky. But once in a while a lucky throw might bring down a bird or a rabbit for food. And so it went on for centuries perhaps. Early mankind was rather slow of thought.

At last, however, there appeared a great Inventor-the Edison of his day. He added the second link-the sling.

The Use of Slings. The new weapon worked with great success, and a little practice made expert marksmen. We know that most of the early races used it for hunting and in war. We find it shown in pictures made many thousands of years ago in ancient Egypt and Assyria. We find it in the Roman army, where the slingman was called a "funditor."

We find it in the Bible, where it is written of the tribe of Benjamin: "Among all these people there were seven hundred chosen men left handed; EVERY ONE COULD SLING A STONE AT AN HAIR BREADTH AND NOT MISS." Surely, too, you remember the story of David and Golfath a clock. when the young shepherd "prevatled over the Philistine WITH A SLING AND WITH A STONE."

Something Better. stone slung might kill a bird or even a the flash pan, and the gun was disman, but it was not very effective charged. against blg game.

What was wanted was a missile to pierce a thick hide. So through long years of groping for "something better" the bow and arrow was evolved and played a most important part in the development of arms and ammunition in many lands.

A Shooting Machine. But the age of machinery was coming on. Once in awhile there were glimpses of more powerful and complicated devices to be seen among the many forms in which the bow and arrow were constructed.

A new weapon now came to the center of the stage. It was the crossbow. the first real band shooting machine This was another big step toward the

called "detonators," but the familiar little copper cap was the most popular. But now we come to another great de-Although found in a crude form as far back as 1537, it wasn't until fixed ammunition came into use that the breechlonder really came to stay, and that was only the other day. You remember that the civil war began with muzzle londers and ended with breech-Mastery of His Earthly Domain.

France Contributes Cartridge Idea. day of the rifle. The idea was simple

mounted them upon a wooden frame

Still they were not satisfied. "Strong-

So they attached levers, pulleys,

ratchets and windiasses until at last

they reached the size of the great

siege crossbows, weighing eighteen

pounds. These sometimes needed a

force of 1,200 pounds to draw back the

string to its catch, but how they could

shoot! Notice the pictures of the

And New For Chemistry.

Human muscle seemed to have reach-

ed its limit, mechanics seemed to have

reached its limit, but still the world

answer man unlocked one of the se-

force. It was a force of chemistry.

overed by the Ch

lem for itself.

teenth century.

for the honor.

were born.

bows and crossbows.

crets of nature and took out a terrible

Gunpowder was probably first dis-

civilization had to work out the prob-

It is recorded that Roger Bacon, a

monk, discovered what was practical-

ly goupowder as far back as the thir-

Berthold Schwartz, a monk of Frei-

burg, studied Bacon's works and car-

ried on dangerous experiments of his

own, so that he is ranked with Bacon

And then began the first crude, clum-

sy efforts at guomaking. Firearms

The Coming of the Matchlock,

Houiller, the French gunsmith, hit on the great idea of the cartridge. If you were going to use powder, ball and percussion primer to get your like most great ideas. But it required good brain stuff to do that thinking.

SEATTLE DARSMEN OFF FOR POUGHKEEPSIE RACE

legiate bont race there. The Wash- roses, ington eight established its supremney on the western coast by winning interested, instructed about roses and a three-cornered race from the Uni- their care and aid in the planting. versity of California by 100 yards in It is hoped enough roses will be a three mile race here. Popular sub- planted this autumn and spring with scription is paying the crew's way those already in bloom to enable the

ville in a condensed version of "Ele- who was his sweetheart 50 years vating a Husband."

MAKE MEDFORD

ROSES FAMOUS

A systematic campaign for the enough. Wooden bows had already game, why not put them all into a and yards by the planting of roses nest, handy, gas tight case? Simple has been undertaken by the Greater enough when you come to think of it. Medford club, with the object of making Medford famous for its roses, day. At the club meeting Thursday plans were outlined to interest all the women of the city in rose culture.

Work is to be begun at once to organize the women of the various SEATTLE, Wash., June 6.-The parts of the city so as to be ready University of Washington eight-oarel for the coming season. Two rose crew, champions of the Pacific coast planting days will be named, one for today are enroute for Poughkeepsie, the fall and one for the spring, when N. Y., to participate in the intercol- everyone will be expected to plant

The ublic school children will be

east, \$3600 having been raised in holding of a rose show next June. Louis Mann will appear in vaude- has just married Mrs. F. C. Doyle,

of Michigan. "It is of distinct edu-cational value."

PRESIDENT HARRIS, Northwestern

University. "The valuable informa-

tractive setting."
PRESIDENT MACLAURIN, Mass. institute of Technology. "Cannot fall to have an interest to all who appress to have an interest."

clate the march of modern science."
PRESIDENT MITCHELL, University

of S. C. "You have rendered a service to mankind in this exquisite and interesting book."

PRESIDENT CAMPBELL, University of Oregon, "A wonderful departure."

DEAN STANTON, lows State College

DEAN STANTON, lowa State College of Agr. "I shall enjoy it for its educational value."

PRESIDENT CAVANAUGR, Notre Dame University. "I don't know when I have enjoyed anything of the kind one-half so much."

CHANCELLOR McCORMICK, University of Pittsburgh. "The story holds attention."

CHANCELLOR STRONG, Univ. of Kan. "The historical representa-

Kan. "The historical representa-tions are of unusual interest." PRESIDENT SMITH, Onio Northern

University. "It is a thing of beauty.
The idea is a valuable one."
PRESIDENT WORST, N. D. Agr. Col-

legs. "The illustrations are intense-ly interesting." STATE SUPT. BRITTAIN, Georgia Schools, "Interesting and artistic." STATE SUPT. WILSON, Okiahema

STATE SUPT. WILSON, Oklahema Schoola. "No one who appreciates progress can afford te be without it. I commend it to everyone."

STATE SUPT. HYATT, California Schools. "A most attractive book of absorbing interest."

STATE SUPT. STONE, Vermont Schools. "Interesting from the first to the last word."

STATE SUPT. SMITH, Maine Schools. "A valuable contribution that will be appreciated by students of history."

WOLGAST OFFERS TO FIGHT RITCHIE

SAN FRANCISCO, Cal., June 6 .manager of Ad Wolgast, responsible for the dashing, is in progress to-

"We will fight Ritchie for practically nothing and give him a side bet of \$5000," shouted Jones to Eddie Graney, the fight promoter, just before he left. 'All we want is a

With little prospect of the prooosed Ritchie-Rivers match being arranged, Jones is dead set on a Ritchie-Wolgast match July 4, but Graney favors an Anderson-Ritchie match as a substitute. Jones intends talking terms over with Nolan today, and his attitude indicates he means business.

Until Joe Levy, Rivers' manager, departed for Los Angeles last night Graney still hoped to bring Ritchie and Rivers together. Before leaving Levy admitted that Tom McCarey of Los Angeles had wired him a provisional offer for Rivers to fight in Los Angeles on Independence day. It is believed here that Leach Cross will be his opponent.

San Francisco sport writers today panned Nolan good and hard for his attitude toward Levy. They claim he should have named his weight broached, and assert he intimated all along that Ritchie would defend his title at 133 pounds ringside.

FARMERS ALONG COWLITZ FEARFUL OF FLOOD LOSS

KELSO, Wash., June 6 .- Farmers along the Cowlitz river have today driven their stock to high ground. fearful of the threatened rise of the river to the twenty-four foot stage. Much damage has already been done.

Spring Time Is **Blood Cleaning Time**

Wonderful How Quickly Your Entire System



with catarrh, have a cough, or your skin is pimpled and irritated with rash, eczema, or any other blood disrash, eczema, or any other blood disorder, just remember that almost all the ills of life come from impure blood. And you can easily give your blood a good, thorough cleansing, a bath, by using S. S. S. There is no need for anyone to be despondent over the illness of blood impurities. No matter how badly they attack the system, or how unsightly becomes the skin, just remember there is one ingredient in S. S. S. that so stimulates the cellular tissues throughout the body that each part selects its own essential nutriment from the blood. This means that all decay, all breaking down of the tissues, is checked and repair work begins. S. S. S. has such a specific influence on all local cells as to preserve their mutual welfare and afford a proper relative assistance to each other. More attention is being given to constructive medicine than ever before and S. S. S. is the highest achievement in this line. For many years people relied upon mercury, bodile of potash avenue. "Daysley." achievement in this line. For many years people relied upon mercury, iodide of potash, arsenic, "physics." cathartics and "dope" as remedies for blood sickness, but now the pure, vegetable S. S. is their safeguard. You can get S. S. in any drug store, but insist upon having it. And you should take no chance by permitting anyone to recommend a substitute. And if your blood condition is such that you would like to consult a specialist freely and confidentially, address the Medical Dept. The Swift Specific Company, 127 Swift Bldg., Atlanta, Ga.

MRS. E. E. GORE

On Monday, June 16, the annual beautification of Medford streets A wild dash for Billy Nolan's ranch school election to elect a member in Lake county, with Tom Jones, of the board for the Medford district will be elected to fill the vacancy caused by the retirement of President H. C. Kentner, whose term expires and who will not be a candidate for reelection.

At its last meeting the school board endorsed the candidacy of Mrs. E. E. Gore, who had already been endorsed by the Greater Medford club, in recognition of the widespread demand that women be recognized by being given representation on the board.

Other candidates suggested were Mrs. George F. King and Mrs. W. G. Davidson, but neither would permit the use of their names. It is probable that Mrs. Gore's election will be unanimous, as all

The union of boilermakers in England has, by a referendum vote, decided to withdraw from the labor

factions seem united in her support.

FORCE REFERENDUM

SALEM, Ore., June 6 .- Arguments were presented this morning before Judge Galloway on the application of W. T. Slatten for a writ of mandamus compelling Secretary of State Olcott to accept a referendum petition on the dentist's bill. Judge Galloway took the case under advisement until tomorrow.

Attorney General Crawford, in defense of the state, gave the following reasons to the court in support of Olcott's action. First, in the laws of Oregon, covering the filing of referendums, it is laid down that no petition shall be filed that would put the question before the people later than November 1913. The petition that was presented to Olcott would put off the decision until 1914.

Second, the law provides that a copy of the bill, under question, shall be written upon the petition. There was no copy of the bill on the petition at all.

Third, as a technical point, the law says that a petition must be seven inches wide and ten inches long. The petition did not comply with the requirements.

Attorney Jeffrey attacked a socalled dentist's trust in Portland and declared it back of the opposition to the referendum.

Miss R. Dew of Fort Klamath is visiting friends living in Medford.



The Jackson County Bank

OF MEDFORD, OREGON

Solicits the deposits and general business of individual firms and corporations. Courteous consideration always given every request and the very best terms extended that are consistent with good business methods.

CAPITAL AND SURPLUS \$175,000

Interest paid on time deposits Safe Deposit Boxes

President C. W. McDONALD. Cashier G. R. LINDLEY Vice-President

Rose Festival Special



Ashland Medford Grants Pass

and intermediate points Leaving Medford Monday evening, June 9th at 6:30 P. M.

ROUND TRIP FARES

Medford\$9.90 One fair, round trip, from other points in Rogue river

Tickets will be sold Monday, June 9th only, and will be good for return on or before June 16.

For further particulars, reservations, etc., call on A. S. Rosenbaum, agent, or address:

John M. Scott, General Passenger Agent, Portland, Oregon.

"A New Chapter In an Old Story"

Is an intensely dramatic recital of man's development of his means of defense and offense from the stone age to the present day, done into one of the most beautiful books of the year. It is a temptingly readable volume containing:

ist. A Fascinating History of Arms and Ammunition. 2d. A Remarkable Business Biography. 2d. Some of the Most Wooderful Hunting Photographs Ever Taken. 4th. A Strange and Beautiful "Spirit" Photograph in Full Colors. 5th. Profuse Illustration Throughout Its Pages. 6th. Fifty-five Striking Border Designs.

Opinions of Famous Educators and Other Notables. PRESIDENT HADLEY, Tale Univer GOVERNORS. sity. "It is charmingly gotten up." PRESIDENT HUTCHINS. University

It took centuries for guns to become TENER, Pennsylvanta. "A Source of great pleasure to me."
GOV. HURKE, No. Dakota. "A book perfect enough to take the place of GOV. OSBORNE, Michigan. "Very in-teresting and informative."
GOV. CAREY, Wyoming. "A really charming story." Hand bombards and culverns were GOV. HASS, New Hampshire. "Very

SENATORS AND OTHERS.

interesting exposition."
ELBERT H. GARY, Chairman U. S.

Steel Corp's. "I am delighted to have this book."
THOMAS A. EDISON, Inventor. "Unique and beautifut."
HUDSON MAXIM, Inventor and Au-

thor, "A little book of genius."
GEN'I. BENNETT H. YOUNG, Commander Confederate Veterans. "Will

charm readers while instructing

FELIX ADLER, Ethical Leader. "Il-lustrations and text are quite extra-

ordinary." ERNEST THOMPSON-SETON, Writ-

er. "It is one of the most wonderful pieces of book making I have seen for a long time."

H. L. BRIDGMAN, Pub. Brocklyn "Standard Union." "The last word in design, illustrations and execution."

WILLIAM J. BURNS, Detective. "I enjoyed every word of it."
THEODORE A. BINGHAM, Former Police Commissioner, N. Y. "Wholesome and inspiring."

EDUCATORS.

DR. P. P. CLAXTON, U. S. Commissioner of Education. "The story is well told and is very interesting."

among the early types. Some of these were so heavy that a forked support had to be driven into the ground, and two men were needed, one to hold and aim, the other to prime and fire. How SEN. CRANE, Mass. "Most interestdoes that strike you for a duck shoot-SEN McLEAN, Connecticut. "Beauing proposition? tiful and exceedingly interesting."
SEN. WARREN, Wyo. "A most altractive book."

BEN. NEWLANDS, Nevada. "A very

Improvements kept coming, however. Guns were lightened and bettered in shape. Somebody thought of putting a flash pan for the powder by the side of the touchhole, and now it was decided to fasten the slow match in a movable cock upon the barrel and ignite it with a trigger. These matches were fuses of some slow burning fiber, like tow, which would keep a spark for a considerable time. Formerly they had to be carried separately, but the new arrangement was a great convenience and made the matchlock. The cock, being curved like a snake, was

called the "scrpentine." A Nuremberg inventor in 1515 hit on the wheel lock. In this a notched steel wheel was wound up with a key iike

Flint or pyrite was held against the jagged edge of the wheel by the pressure of the serpentine. You pulled the trigger, then-"whir"-the wheel re-Yet they had their drawbacks. A volved, a stream of sparks flew off into

> And Then Came the Flintlock. Everybody knows what the flintlock was like. You simply fustened a flake of fint in the cock and snapped h against a steel plate. This struck off sparks which fell into the flash pan

and fired the charge. A Minister Takes a Hand.

Jumping over to the year 1807, we have the Rev. Alexander John Forsythe, LL. D., getting his patent papers for something far better than even the steady old flint. He bad invented the percussion system. In some form this has been used ever since.

Caps and Breechloaders. Primers were tried in different forms Special Short Time Price to Our Readers Fifty Cents Per Copy, Prepaid

extracts from "A New Chapter In an Old Story" in this issue) Simply Fill Out Coupon and Send to This Paper With 50 Cents Cash or Stamps

Please send "A New Chapter In an Old Story" to

Town____ Street and No. County_